

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050119\  
 Data File : VD062097.D  
 Acq On : 1 May 2019 12:25  
 Operator : FY/SY  
 Sample : VD0501SBL01  
 Misc : 5.00g/5mL/MSVOA D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0501SBL01

Quant Time: May 02 01:02:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D042319S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 01 08:37:17 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.01  | 168  | 591259   | 50.00 | ug/l  | -0.04    |
| 34) 1,4-Difluorobenzene    | 8.18  | 114  | 890626   | 50.00 | ug/l  | -0.04    |
| 63) Chlorobenzene-d5       | 12.35 | 117  | 714002   | 50.00 | ug/l  | -0.02    |
| 72) 1,4-Dichlorobenzene-d4 | 14.50 | 152  | 390678   | 50.00 | ug/l  | -0.02    |

| System Monitoring Compounds |        |     |          |       |         |       |
|-----------------------------|--------|-----|----------|-------|---------|-------|
| 33) 1,2-Dichloroethane-d4   | 7.42   | 65  | 254113   | 54.91 | ug/l    | -0.04 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 109.82% |       |
| 35) Dibromofluoromethane    | 6.89   | 113 | 357365   | 58.02 | ug/l    | -0.04 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 116.04% |       |
| 50) Toluene-d8              | 10.38  | 98  | 808120   | 55.14 | ug/l    | -0.04 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 110.28% |       |
| 62) 4-Bromofluorobenzene    | 13.54  | 95  | 342664   | 58.29 | ug/l    | -0.02 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 116.58% |       |

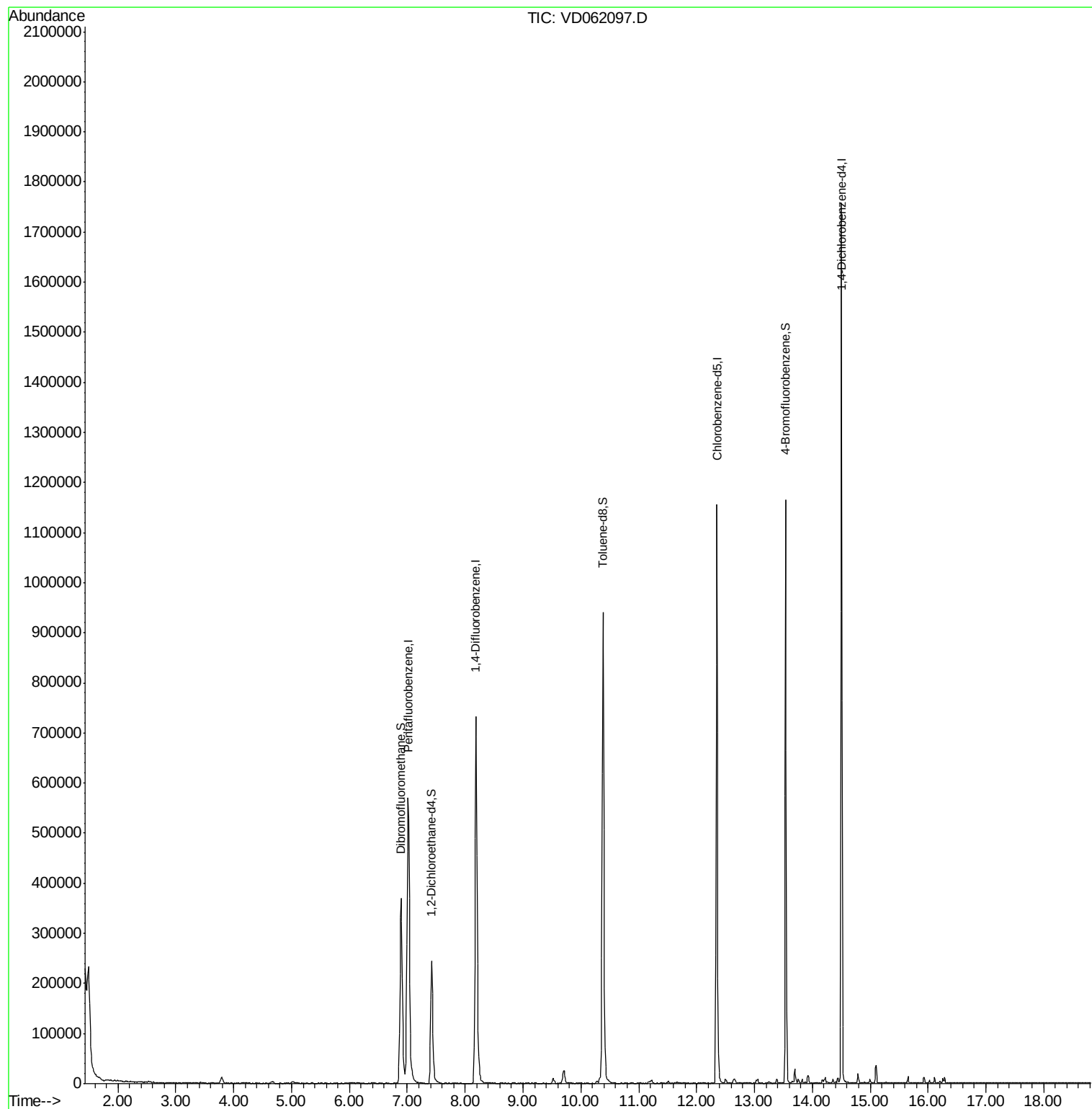
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

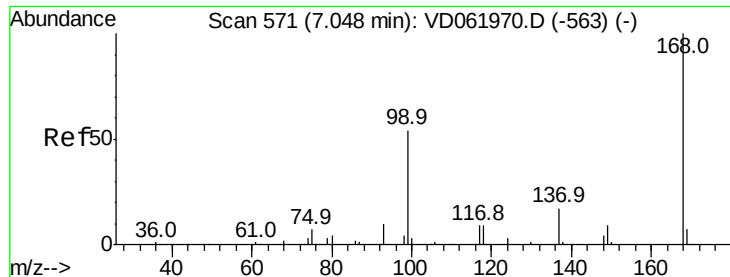
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VD0501SBL01  
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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0501SBL01

Quant Time: May 02 01:02:41 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D042319S.M  
Quant Title : SW846 8260  
QLast Update : Wed May 01 08:37:17 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.04 min

Lab File: VD062097.D

Acq: 1 May 2019 12:25

Instrument :

MSVOA\_D

ClientSampleId :

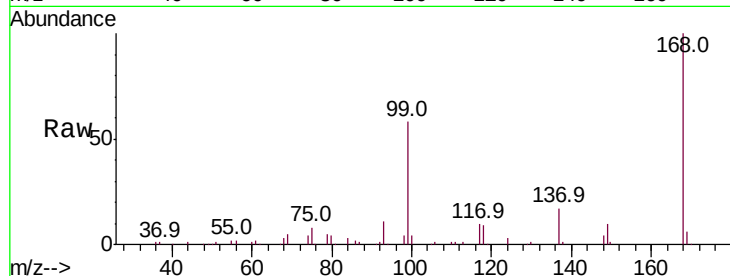
VD0501SBL01

Tot Ion:168 Resp: 591259

Ion Ratio Lower Upper

168 100

99 58.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.01

200000

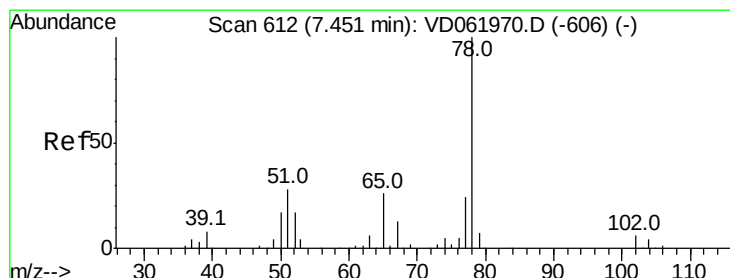
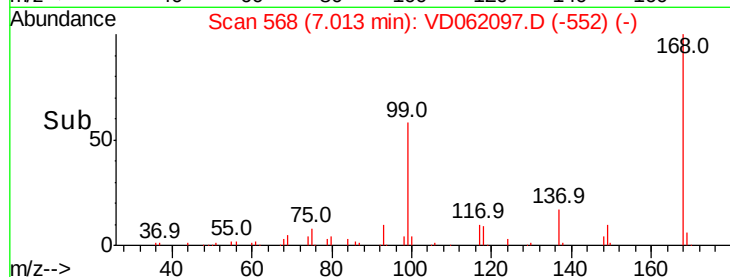
150000

100000

50000

0

Time--> 6.80 7.00 7.20



#33

1,2-Dichloroethane-d4

Concen: 54.913 ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.04 min

Lab File: VD062097.D

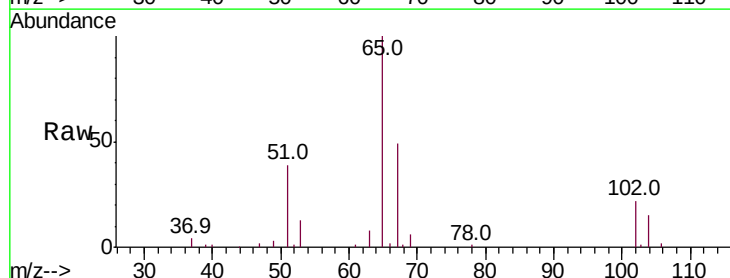
Acq: 1 May 2019 12:25

Tgt Ion: 65 Resp: 254113

Ion Ratio Lower Upper

65 100

67 48.6 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.42

100000

80000

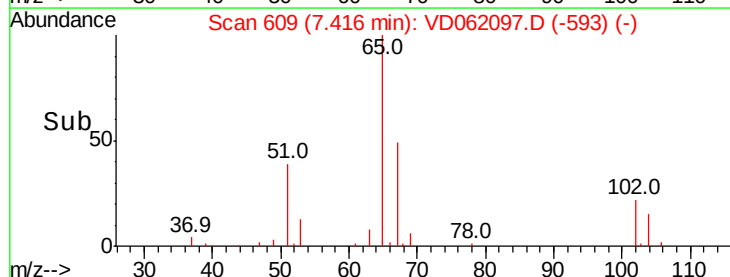
60000

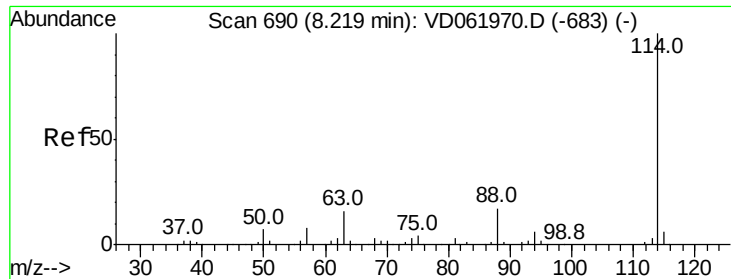
40000

20000

0

Time--> 7.30 7.40 7.50 7.60

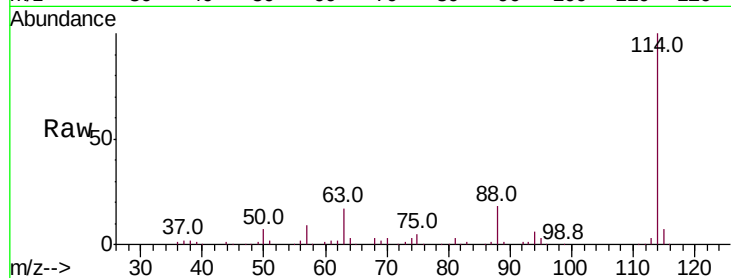




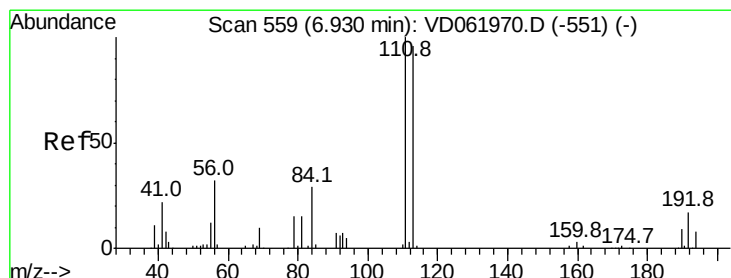
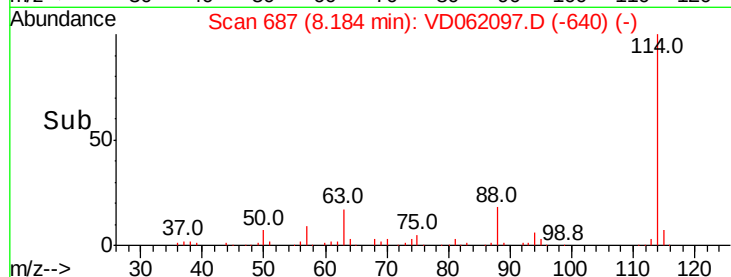
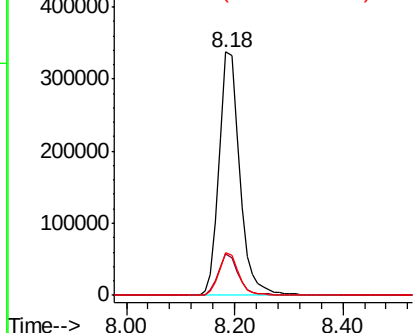
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.18 min Scan# 687  
 Delta R.T. -0.04 min  
 Lab File: VD062097.D  
 Acq: 1 May 2019 12:25

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0501SBL01

Tot Ion:114 Resp: 890626  
 Ion Ratio Lower Upper  
 114 100  
 63 16.9 0.0 32.4  
 88 17.6 0.0 33.6

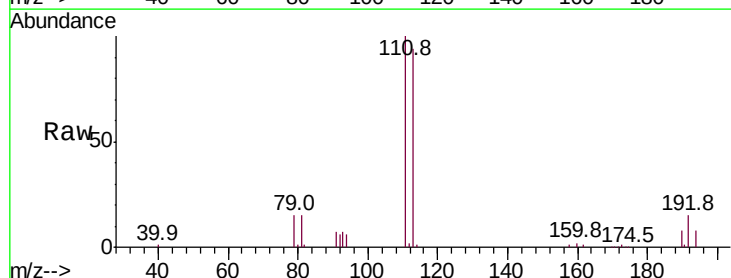


Abundance Ion 114.00 (113.70 to 114.70): V  
 Ion 62.95 (62.65 to 63.65): V  
 Ion 87.90 (87.60 to 88.60): V

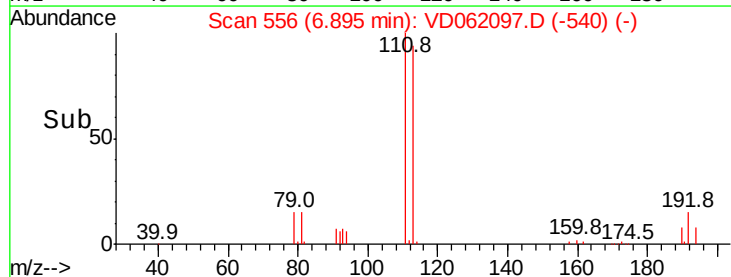
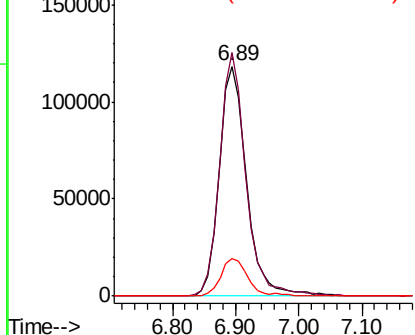


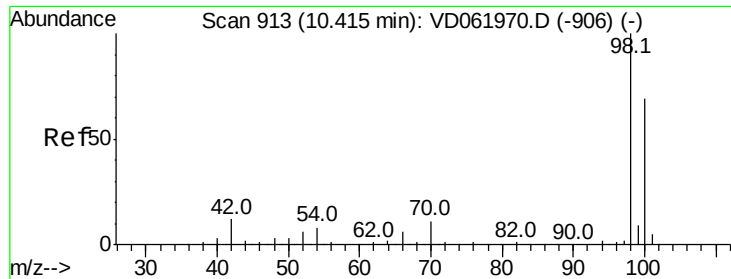
#35  
 Dibromofluoromethane  
 Concen: 58.018 ug/l  
 RT: 6.89 min Scan# 556  
 Delta R.T. -0.04 min  
 Lab File: VD062097.D  
 Acq: 1 May 2019 12:25

Tgt Ion:113 Resp: 357365  
 Ion Ratio Lower Upper  
 113 100  
 111 105.9 78.5 117.7  
 192 16.1 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 191.80 (191.50 to 192.50): V

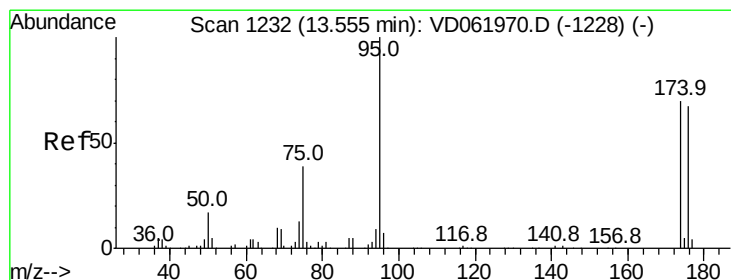
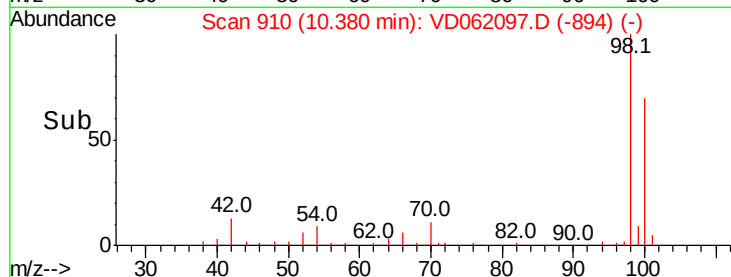
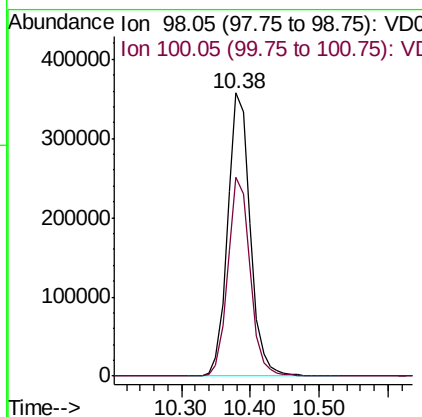
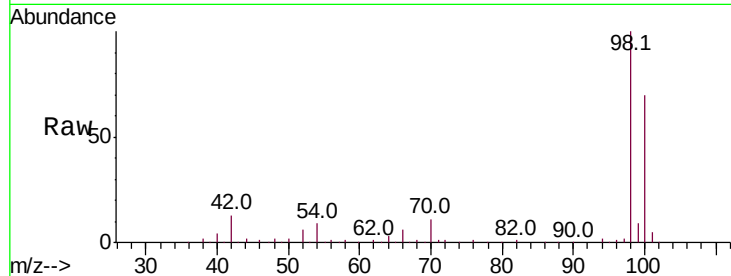




#50  
Toluene-d8  
Concen: 55.137 ug/l  
RT: 10.38 min Scan# 910  
Delta R.T. -0.04 min  
Lab File: VD062097.D  
Acq: 1 May 2019 12:25

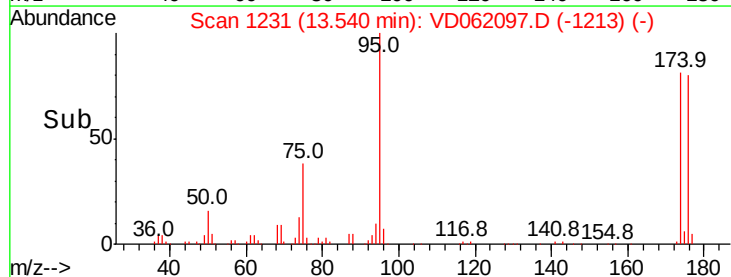
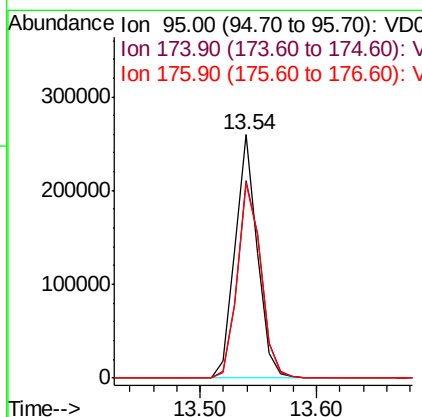
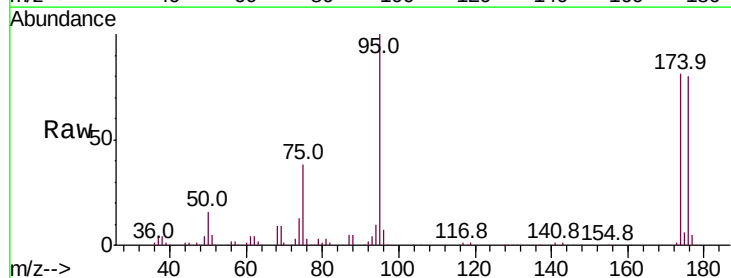
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0501SBL01

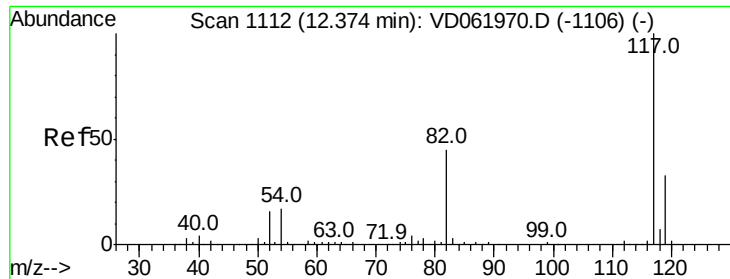
Tot Ion: 98 Resp: 808120  
Ion Ratio Lower Upper  
98 100  
100 70.2 53.8 80.8



#62  
4-Bromofluorobenzene  
Concen: 58.289 ug/l  
RT: 13.54 min Scan# 1231  
Delta R.T. -0.02 min  
Lab File: VD062097.D  
Acq: 1 May 2019 12:25

Tgt Ion: 95 Resp: 342664  
Ion Ratio Lower Upper  
95 100  
174 80.9 0.0 181.8  
176 79.9 0.0 174.4

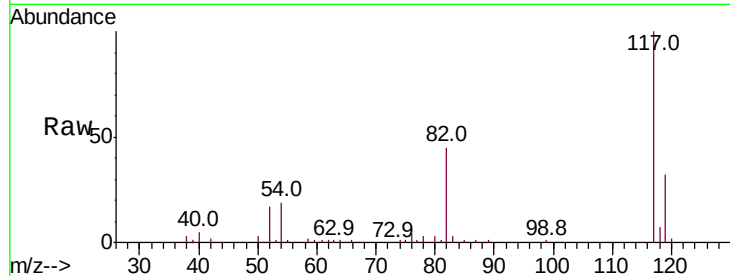




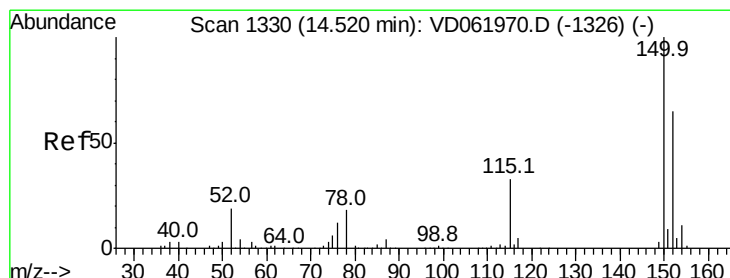
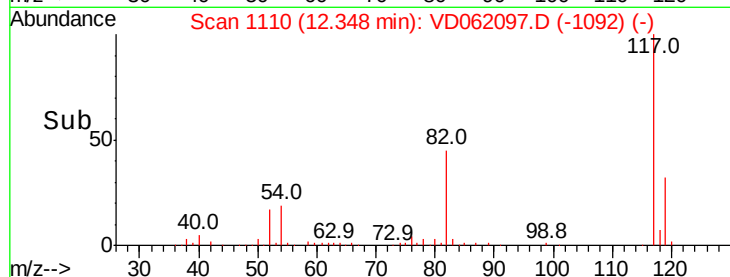
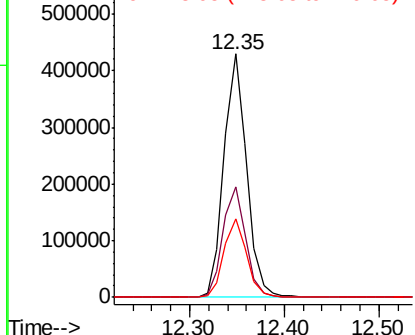
#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 12.35 min Scan# 1110  
 Delta R.T. -0.02 min  
 Lab File: VD062097.D  
 Acq: 1 May 2019 12:25

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0501SBL01

Tot Ion:117 Resp: 714002  
 Ion Ratio Lower Upper  
 117 100  
 82 45.4 36.2 54.2  
 119 32.2 26.2 39.4

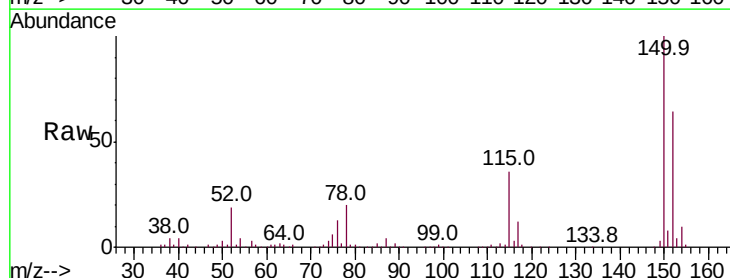


Abundance Ion 116.95 (116.65 to 117.65): V  
 Ion 82.05 (81.75 to 82.75): V  
 Ion 118.95 (118.65 to 119.65): V



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 14.50 min Scan# 1329  
 Delta R.T. -0.02 min  
 Lab File: VD062097.D  
 Acq: 1 May 2019 12:25

Tgt Ion:152 Resp: 390678  
 Ion Ratio Lower Upper  
 152 100  
 115 56.7 30.9 92.7  
 150 156.2 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V  
 Ion 115.00 (114.70 to 115.70): V  
 Ion 149.90 (149.60 to 150.60): V

